

Amendments to the Specification

Please amend the specification as follows.

Please amend the title as follows:

METHOD FOR TREATING CANCER BY INCREASING TUMOR SUPPRESSOR LKB1 KINASE DIRECTLY ACTIVATES AMP-ACTIVATED KINASE ACTIVITY

Please amend the paragraph beginning on page 7, line 1, as follows:

Figure 5 shows that LKB1 expression protects HeLa cells from AICAR, but not UV-induced cell death. Fig. 5a: Phase shows phase contrast images of HeLa cells stably expressing vector, WT LKB1, or KD KB1 5h after treatment with 2.5 mM AICAR. Results are representative of four independent experiments. Fig. 5b, Fig. 5c: Cell viability was determined following AICAR or UV expressed as a percentage of untreated controls. Cell viability quantified by MTT assays run in triplicate on indicated HeLa stable cell lines treated with 2.5 mM AICAR or 50 j/cm² UV for 8h. Results are representative of two independent experiments.